## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|--|
| FEE DETERMINATION         | 1116504  |        | 11-21-01 |  |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          | 1.7/   | 12//     |  |  |  |  |  |  |
| FORMALITY REVIEW          | -M       | 30864  | 12/3/01  |  |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | 69.1     | 87     | 2/6/02   |  |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| Claim   | Date  | Ctairr | T  |         |          |                 | Date     | 9        |          |          |            |                | Cla      | im       |         |         |                | Dat  | е  |                 |  |                |          |
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| Final Original                                    |   | Final  | Ĭ  |         |          |                 | - 1      |          |          |          | l          | 1              | Finat    | č        |         |         |                |  |  | ١               | i  |                | - 1      |
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| 4/=   |   | 5      |    | -       | $\vdash$ |                 | -1       |          |          |          | -          |                | -        | 104      | +       | +       | -              |  |  |                 | 4  | -              |          |
| 5 / =   |   | 5      | _  | +       | Щ        | _               | 4        |          |          |          | -          | _              |          | 105      |         | ↓_      | -              |  | _  | -               | $\dashv$   | -              | -        |
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| 101   |   | 5      |    |         |          | $\dashv$        | _        | _        | _        |          | _          | _              |          | 107      | $\perp$ | ┖       |                |  |  |                 | _  | 4              | ᆜ        |
| 8 1 =   |   | 5      |    |         |          |                 | $\perp$  |          |          | $\Box$   | $\perp$    |                |          | 108      | $\perp$ | ┖       |                |  |  |                 | _  | _              |          |
| 9 7 =   |   | 5      | 9  | ļ       |          |                 |          |          |          |          |            |                |          | 109      |         |         |                |  |  |                 |  |                |          |
| 10 /=   |   | 6      |    |         |          |                 |          |          |          |          |            |                |          | 110      |         |         |                |  |  |                 |  |                |          |
| 00=   |   | 6      | 1  |         | П        |                 |          |          |          |          |            |                |          | 111      | T       |         | П              |  |  | }               | $\neg$   | $\neg$         |          |
| 12 0  |   | 6      | 2  | $\top$  | П        |                 |          | _        |          |          |            |                |          | 112      | 1       | Т       |                |  |  |                 | $\neg$   |                |          |
| 13  |   | 6      | 3  | 1       | П        |                 |          |          |          | _        | 寸          |                |          | 113      | 7       | Т       | 1              |  |  |                 | ヿ  | T              |          |
| 14/ =   |   | 6      | 4  | 1       |          | -               |          | _        |          |          |            | _              | -        | 114      | 1       | †       | _              |  |  |                 | $\dashv$   | 寸              | $\neg$   |
| 15 / =  | <del>                                      </del> | 6      | _  | +       | Н        | $\vdash$        | -+       | _        |          |          |            | $\dashv$       |          | 115      | +       | +-      | 1              |  | Н  | $\vdash$        | _  | $\dashv$       | -        |
| 16 7  | <del>                                     </del>  | 1 6    |    | +-      | ┝╌┤      | -               | -        |          | $\vdash$ | $\dashv$ | $\dashv$   | $\dashv$       | $\vdash$ | 116      | +       | +       | $\vdash$       | H  | Н  | $\vdash$        | $\dashv$   | ┪              | $\dashv$ |
| 17 7 =  | <del>                                     </del>  | 6      |    | +       | Н        | $\vdash \vdash$ | $\dashv$ |          | Н        |          | $\dashv$   | $\dashv$       | $\vdash$ | 117      | +       | +       | +-             | -  | ┢  |                 | $\dashv$   |                | $\dashv$ |
| 18 1  | <del>                                      </del> | 6      |    | +       | $\vdash$ | -               |          |          |          |          |            | $\dashv$       | <u> </u> | 118      | +       | +-      | <del>  -</del> | <del>                                     </del> | <del>                                     </del> | $\vdash$        | $\dashv$   | -              | $\dashv$ |
|   | ++++  | 6      |    | +       | $\vdash$ | ┝╼┤             |          |          | Н        | -        | $\dashv$   | $\dashv$       | -        | 119      | +-      | +-      | -              | ├  | -  | $\vdash \vdash$ | $\dashv$   | -              | $\dashv$ |
| 19  | <del>                                     </del>  |        | _  | +       |          | Н               | -        |          | Н        |          | $\dashv$   |                | -        |          | +       | +       | -              | ├  | <u> </u>   |                 |  |                |          |
| NO N  |   | 7      | _  |         |          |                 |          | _        | _        |          | Ц          |                | <u> </u> | 120      |         | ┸       | ↓_             | _  |  | Ш               | _  | _              |          |
| 21/2  |   | 7      | _  | $\perp$ |          | Ш               |          |          |          |          |            |                |          | 121      | _       | L.      |                | _  |  |                 | _  |                |          |
| 22 = =  |   | 7      |    |         |          |                 |          |          |          |          |            |                | L        | 122      |         |         |                |  |  |                 |  |                |          |
| 23  |   |        | 3  |         |          |                 |          |          |          |          |            |                |          | 123      |         |         |                |  |  |                 |  |                |          |
| 24 — =  |   | 7      | 4  | -       | Γ        |                 |          |          |          |          |            |                |          | 124      | Т       | Т       |                |  |  |                 | П  |                |          |
| 25 = =  |   | 17     | 5  |         | Г        |                 |          |          |          |          |            |                |          | 125      | 7       | T       | T              |  |  | П               | $\neg$   |                | _        |
| . 26  |   | 7      | 6  |         |          |                 |          |          |          |          |            |                |          | 126      | $\top$  | T       |                |  |  |                 | $\neg$   |                |          |
| 26 ====================================           | <del>                                     </del>  | 7      | 7  |         |          | П               |          |          | $\vdash$ |          |            |                |          | 127      | _       | $\top$  | -              | <del> </del>                                     |  |                 | $\neg$   | $\neg \dagger$ |          |
| 28 = =  |   | 7      |    | +       |          | $\vdash$        | -        |          | -        |          |            | -              | _        | 128      | +       | T       | 1              | t  |  | Н               | $\exists$  |                |          |
| 28 = = = = = = = = = = = = = = = = = = =          |   | 7      |    | +       | -        | Н               | $\dashv$ | _        |          | H        | H          | -              | $\vdash$ | 129      | t       | +       | ╁              | ┢  |  | Н               | $\neg \dagger$   | -              |          |
| (30) 7 =  | <del>                                     </del>  |        | 0  | +       | H        | Н               | $\dashv$ |          | H        | Н        | Н          | $\dashv$       | $\vdash$ | 130      | +       | +       | +-             | ٠-   | -  | -               | $\neg$   | -              |          |
| 30 J =<br>31 J =                                  | <del>                                      </del> |        | 11 | +       |          | Н               | $\vdash$ | -        | -        |          | $\vdash$   |                | -        | 131      | +       | +       | ╁╌             | ├  | -  | Н               | $\dashv$   | $\vdash$       |          |
| 317   |   |        | 2  | +       | ├        | -               | -        |          | <u> </u> | Н        | Н          | $\dashv$       | $\vdash$ | 132      | +       | +       | +              | ⊢  | ⊢  | H               | $\dashv$   | $\vdash$       | _        |
|   | <del>                                     </del>  |        |    |         | ├-       | $\vdash$        | H        |          |          |          | Н          | $\dashv$       | $\vdash$ | -        | +       | +-      | ┼-             | ⊬  |  | Н               |  |                | _        |
| 3377  |   | 8      |    |         | <u> </u> | H               |          |          |          |          | Н          | $\dashv$       | $\vdash$ | 133      | +       | ╁       | +-             | ⊢  | <u> </u>   | Н               | $\dashv$   |                |          |
| 34//=   |   |        | 4  | -       | <u> </u> | $\vdash$        |          |          |          | Ш        | Н          | Щ              | $\vdash$ | 134      | +       | +       | ┼              | <b>├</b> ─                                       | <u> </u>   |                 |  |                |          |
| 35 1/   | 1 1 1 1 1 1 1 1 1 1                               |        | 5  | $\perp$ | <b>—</b> | Щ               | Щ        | _        | $\vdash$ |          | Щ          | $\Box$         | -        | 135      |         | ╄       | ـ              | ļ  |  | Н               | $\dashv$   | $\sqcup$       |          |
| 36  |   |        | 6  |         | _        | Ш               | Ш        |          | _        |          | <b> </b> _ |                | <u> </u> | 136      | $\perp$ | ┺       | 1              | <u> </u>   | _  | Ш               |  | $\square$      |          |
| 37 🗸  |   | 8      | _  |         | _        | Ш               | Ш        | _        | Ŀ        |          |            |                | _        | 137      | _       | $\perp$ | _              | $\vdash$   | _  | Щ               | Ш  | Ш              |          |
| (38)  |   |        | 8  | $\perp$ | 1_       |                 | لـــا    | L        |          | L        | Ш          |                |          | 138      | 1       | 1       |                | L  |  | Ш               | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$ |                |          |
| 39 7  |   | [ 8    | 9  |         | $\Gamma$ |                 |          |          | L        |          |            |                |          | 139      | $\prod$ | ╧       | $oxed{oxed}$   | $L^{-}$  |  |                 |  |                |          |
| 120   |   | 9      | 0  | T       |          |                 |          |          | Γ        |          |            |                |          | 140      |         | Ī       | Ī              |  | 1  |                 |  | П              |          |
|   | 1-1-1-1-1   | 9      | 1  | $\top$  | 1        |                 |          |          |          |          | П          |                |          | 141      | 1       | 1       | 1              | Г  | Ι  | П               | $\neg$   |                |          |
| 42./=   | <del>                                      </del> |        | 2  | +       | t        | $\vdash$        | Н        | $\vdash$ | $\vdash$ | $\vdash$ |            | $\dashv$       | $\vdash$ | 142      | +       | +       | +              |  |  | $\vdash$        | $\dashv$   | $\vdash$       |          |
|   | <del>                                      </del> |        | 3  | +       | +        | $\vdash$        | $\vdash$ | -        | -        | -        | H          | $\forall$      | $\vdash$ | 143      | +-      | 1-      | +              | +  | <del>  -</del>                                   | $\vdash$        |  | -              |          |
|   | <del>╎╴┝╺╎╸</del> ┥╶┼╺┼╾┤╴                        |        | 14 | +       | $\vdash$ | -               | -        |          | $\vdash$ | $\vdash$ | H          | $\vdash$       | $\vdash$ | 144      | +-      | ╀       | ╁              | ⊢  | -  | -               |  |                |          |
| 44  | <del>                                     </del>  | 1 1.   |    | -       | Н-       |                 |          | -        | 1        |          | Н          | $\vdash\vdash$ | -        |          | +       | ╁       | ┼              | -  | <del> </del> —                                   | $\vdash$        | -  | $\dashv$       | _        |
| 45  | 1-1-1-1   |        | 5  | +       | ⊢        | ⊢-              | $\vdash$ | <b> </b> | ⊢        | $\vdash$ | $\vdash$   | Н              | $\vdash$ | 145      |         | +       | $\vdash$       | 1  | <u> </u>   | -               |  | $\vdash$       |          |
| 46  |   | _      | 6  | Щ.      | -        |                 |          | _        | <u> </u> | Ш        | Ш          | Щ              | <u> </u> | 146      |         | - -     | 1              | 1  | <u> </u>   |                 |  | $\sqcup$       |          |
| 47  |   |        | 7  | $\perp$ | $\perp$  |                 | Ш        | L.       | ļ        | _        |            | Ш              | $\perp$  | 147      | $\perp$ | ┸       | _              |  |  | Ш               | $\square$  |                |          |
| 48  |   |        | 8  |         | 1_       | L               |          | _        | <u> </u> |          | $\Box$     | $\square$      | <u> </u> | 148      | $\perp$ | 1       | 1_             | _  | L  |                 | $\square$  | Ш              |          |
| 49  |   |        | 9  |         | 1        |                 |          | L        |          |          | Ш          |                |          | 149      | $\perp$ |         |                | L  | L  |                 |  |                |          |
| 50  |   | h      | 00 |         |          |                 |          |          |          |          |            |                |          | 150      |         |         | 1_             | L  |  |                 |  | Ī              |          |
|   |   |        | _  |         |          |                 |          |          |          |          |            |                |          |          |         |         |                |  |  |                 |  |                |          |

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